



2011 Yosemite Hydroclimate Meeting

Sponsored by Yosemite Resources Management and Science

Thursday, October 6th

- 9:00-9:20 **Welcome and Meeting Logistics**
Joe Meyer, RMS Acting Division Chief and Jim Roche, Park Hydrologist
- 9:20-10:00 **Winter 2010-11: Atmospheric Conditions Leading to a Very Wet Year**
Mike Dettinger
- 10:00-10:30 **An Assessment of 2011 Snow Cover from MODIS Imagery - Extent, Duration, and Snow Water in the Southern Sierra** - Roger Bales
- 10:30-11:00 Break
- 11:00-11:30 **Seasonal Distribution of Latent and Sensible Heat Fluxes and Soil Parameters from the 2011 Water Year**
Frank Anderson, K. Keating, A. Flint, and L. Flint
- 11:30-12:00 **Southern Sierra Nevada Mountain Front Precipitation Accumulation and Ablation Analyzed with Scanning LiDAR Snow Depth and In-Situ Instrumental Measurements**
Peter Kirchner, R. C. Bales, and J. Flanagan
- 12:00-1:00 Lunch
- 1:00-1:45 **The JPL Airborne Snow Observatory: Bringing Cutting-Edge Technology to Water Management** - Tom Painter
- 1:45-2:30 **A Monitoring Network for Detecting Climate Change Effects on the Ecology of Sierra Nevada Streams** - David B. Herbst
- 2:30-2:45 Break
- 2:45-3:15 **Mapping Forest Disturbance and Recovery Rates in Yosemite National Park Using 20 Years of LANDSAT Satellite Imagery: Implications for Surface Hydrology Research**
Christopher Potter



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Thursday, October 6th, *continued*

- 3:15-3:45 **Modern Geomorphology in a Post-Glacial Landscape and Implications for River Restoration, Eastern Yosemite Valley, Yosemite National Park** - Toby Minear, Scott Wright, and Jim Roche
- 3:45-4:30 **Upper Tuolumne River Ecosystem Project - Developing Snowmelt Management Strategies for Hetch Hetchy Reservoir** - Bill Sears
- 4:30-5:00 **Group Discussion** - Jim Roche

Friday, October 7th

- 8:30-8:40 Introductions
- 8:40-9:00 **Change and Trends of Meadow Stream Systems Over Time Associated with Stock Use** - Tim Kuhn
- 9:00-9:30 **Update on Meadow Monitoring, Variations of Evapotranspiration Long Meadow, Sequoia National Park, California** - Martha H. Conklin and Ryan G. Lucas
- 9:30-10:00 **New Hetch Hetchy Operations to Improve Spill Release Patterns - Drum Gate Operations in 2011** - Bruce McGurk
- 10:00-10:15 Break
- 10:15-10:45 **Thermal Environments in Rock-Ice Features** - Bob Westfall
- 10:45-11:15 **Bird and Bat Population Dynamics in Poopenaut Valley**
Sarah Stock
- 11:15-11:45 **Falls Creek Stream Gaging - Removal, Permitting, and Installation of a Low-Visibility Telemetered System** - Adam Mazurkiewicz, Michael Tsang, Aimee Teaby, and Bruce McGurk
- 11:45-12:00 **Group Discussion and Close**
Jim Roche, Bruce McGurk, and John Shupe